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How much does a power distribution box cost in a Chinese factory



Overview

Find electrical panel box prices with IP65 waterproof ratings, stainless steel build, and OEM customization.

Key Takeaways

The price of a power distribution box in a Chinese factory typically ranges from $50 to $500 per unit, depending on specifications, materials, and order volume.Price Range and Factors

The cost of a power distribution box varies widely based on several factors:

• Type and Size: Main distribution boards (MDBs) are more expensive than sub-distribution boards (SDBs) due to higher capacity and functionality, with SDBs being more affordable .

• Material and Protection: Boxes made from stainless steel, ABS plastic, or galvanized steel, and those with high IP ratings (e.g., IP65 for outdoor use) cost more .

• Customization: OEM/ODM services, such as custom busbar layouts, logo embossing, or explosion-proof designs, increase the price .

• Quantity: Bulk orders reduce per-unit cost significantly, with wholesale pricing available for large factory orders .

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• Additional Features: Inclusion of Residual Current Devices (RCDs), smart monitoring, or automated transfer switches (ATS) can raise the price .
Typical Pricing Examples
• Standard wall-mounted distribution boxes for industrial use: approximately $50–$150 per unit.

• Waterproof or IP65-rated boxes suitable for outdoor or humid environments: around $100–$300 per unit.

• Explosion-proof or high-capacity industrial panels: can range from $300–$500 or more, depending on complexity and certification .
Additional Considerations
• Installation Costs: While the box itself may be moderately priced, professional installation by a qualified electrician or engineer adds to the total expense .

• Compliance and Standards: Ensure the box meets IEC, UL, CE, or local Chinese electrical standards to avoid safety hazards .

• Lead Time: Custom orders may take longer to produce, while standard stock items can be shipped quickly . In summary, a basic industrial power distribution box in China can cost as low as $50, while specialized, high-capacity, or explosion-proof models can exceed $500, with bulk orders and factory direct purchases offering cost savings. Choosing the right box requires balancing specifications, environmental protection, and compliance requirements to ensure safety and durability.

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